

Map Unit Description (MN)

Carver County, Minnesota

[Data apply to the entire extent of the map unit within the survey area. Map unit and soil properties for a specific parcel of land may vary somewhat and should be determined by onsite investigation]

AA--Kasota sandy loam, 0 to 2 percent slopes

Kasota

Extent: 85 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:			Texture	Permeability	Available water capacity	pH
Ap,A	--	0 to 9 in	sandy loam	moderately rapid	1.09 to 1.63 in	5.6 to 7.3
Bt	--	9 to 30 in	clay loam	moderate	2.50 to 3.76 in	5.6 to 6.5
2C	--	30 to 60 in	sand	rapid	0.60 to 1.80 in	7.4 to 8.4

AB2--Kasota sandy loam, 2 to 6 percent slopes, eroded

Kasota, eroded

Extent: 85 percent of the unit

Landform(s): stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:			Texture	Permeability	Available water capacity	pH
Ap	--	0 to 9 in	sandy loam	moderately rapid	1.09 to 1.63 in	5.6 to 7.3
Bt	--	9 to 26 in	clay loam	moderate	2.03 to 3.05 in	5.6 to 6.5
2C	--	26 to 60 in	sand	rapid	0.68 to 2.03 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

AD--Hawick sandy loam, 18 to 25 percent slopes

Hawick

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 18 to 25 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 5 in		sandy loam	moderately rapid	0.67 to 0.77 in	6.1 to 7.8
Bw --	5 to 18 in		loamy sand	rapid	0.39 to 1.30 in	6.1 to 7.8
C --	18 to 60 in		gravelly coarse sand	very rapid	0.83 to 2.50 in	7.4 to 8.4

AE--Hawick loamy sand, 18 to 40 percent slopes

Hawick

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 18 to 40 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .20

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 4 in		loamy sand	rapid	0.39 to 0.47 in	6.1 to 7.8
Bw --	4 to 10 in		loamy sand	rapid	0.18 to 0.59 in	6.1 to 7.8
C --	10 to 60 in		stratified gravelly coarse sand to sand	very rapid	1.00 to 3.00 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

BA--Kasota loam, 0 to 2 percent slopes

Kasota

Extent: 85 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 11 in	loam	moderately rapid	2.20 to 2.65 in	5.6 to 7.3
Bt --	11 to 28 in	clay	moderately slow	1.69 to 3.05 in	5.6 to 6.5
2BC --	28 to 40 in	loamy sand	rapid	0.61 to 0.85 in	6.1 to 7.3
2C --	40 to 60 in	sand	rapid	0.39 to 1.18 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

BB2--Kasota loam, 2 to 6 percent slopes, eroded

Kasota, eroded

Extent: 85 percent of the unit

Landform(s): stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

Representative soil profile:			Texture	Permeability	Available water capacity	pH
Ap --	0 to 9 in	loam		moderate	1.81 to 2.17 in	5.6 to 7.3
Bt --	9 to 24 in	clay		moderately slow	1.50 to 2.69 in	5.6 to 6.5
2BC --	24 to 36 in	loamy sand		rapid	0.59 to 0.83 in	6.1 to 7.3
2C --	36 to 60 in	sand		rapid	0.48 to 1.44 in	7.4 to 8.4

BH--Blue Earth mucky silt loam

Blue Earth

Extent: 90 percent of the unit

Landform(s): flood plains, depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:			Texture	Permeability	Available water capacity	pH
A --	0 to 42 in	mucky silt loam		moderate	7.58 to 10.11 in	7.4 to 8.4
Cg --	42 to 60 in	mucky silt loam		moderate	3.19 to 4.25 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

BY--Biscay loam

Biscay

Extent: 90 percent of the unit

Landform(s): drainageways on stream terraces, drainageways on moraines

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,A2 --	0 to 20 in	loam	moderate	4.02 to 4.42 in	6.1 to 7.8
Bg --	20 to 28 in	loam	moderate	1.34 to 1.50 in	6.6 to 7.8
2BCg --	28 to 36 in	gravelly loam	moderately rapid	0.87 to 1.34 in	6.6 to 7.8
2Cg --	36 to 60 in	stratified gravelly coarse sand to loamy sand	rapid	0.48 to 0.96 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

CC3--Lester clay loam, 6 to 12 percent slopes, severely eroded

Lester, severely eroded

Extent: 100 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	clay loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

CD3--Lester clay loam, 12 to 18 percent slopes, severely eroded

Lester, severely eroded

Extent: 100 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	clay loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

CE3--Lester clay loam, 18 to 25 percent slopes, severely eroded

Lester, severely eroded

Extent: 100 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	clay loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

CH--Chaska loam, occasionally flooded

Chaska, occasionally flooded

Extent: 90 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 2w

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	silty clay loam		moderate	1.99 to 2.17 in	6.6 to 7.8
A --	9 to 36 in	silty clay loam		moderate	4.55 to 5.09 in	7.4 to 7.8
C --	36 to 60 in	loam		moderately rapid	1.68 to 3.84 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

CL--Coland clay loam, occasionally flooded

Coland, occasionally flooded

Extent: 90 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	loam		moderate	1.97 to 2.17 in	6.1 to 7.3
A --	10 to 48 in	clay loam		moderate	7.64 to 8.40 in	6.1 to 7.3
Cg --	48 to 60 in	loam		moderately rapid	1.54 to 2.01 in	6.1 to 7.8

CO--Cordova clay loam

Cordova

Extent: 90 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB --	0 to 13 in	loam		moderate	2.34 to 2.86 in	6.1 to 7.3
Btg --	13 to 33 in	clay loam		moderately slow	3.01 to 3.81 in	5.1 to 6.5
Cg --	33 to 80 in	loam		moderate	7.03 to 8.90 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

CS--Canisteo silty clay loam, depressional

Canisteo, depressional

Extent: 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	silty clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bkg -- 18 to 39 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4
Cg -- 39 to 80 in	loam	moderate	6.14 to 7.78 in	7.4 to 8.4

CT--Canisteo clay loam

Canisteo

Extent: 85 percent of the unit

Landform(s): flats on moraines, swales on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 18 in	clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
Bkg -- 18 to 39 in	loam	moderate	3.13 to 3.96 in	7.4 to 8.4
Cg -- 39 to 80 in	loam	moderate	6.14 to 7.78 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

CU--Coland clay loam, frequently flooded

Coland, frequently flooded

Extent: 90 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	loam		moderate	1.97 to 2.17 in	6.1 to 7.3
A --	10 to 48 in	clay loam		moderate	7.64 to 8.40 in	6.1 to 7.3
Cg --	48 to 60 in	loam		moderately rapid	1.54 to 2.01 in	6.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

CW--Cordova-Webster complex

Cordova

Extent: 65 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,AB -- 0 to 13 in	loam	moderate	2.34 to 2.86 in	6.1 to 7.3
Btg -- 13 to 33 in	clay loam	moderately slow	3.01 to 3.81 in	5.1 to 6.5
Cg -- 33 to 80 in	loam	moderate	7.03 to 8.90 in	7.4 to 8.4

Webster

Extent: 30 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 14 in	loam	moderate	2.69 to 2.98 in	6.6 to 7.3
Bg -- 14 to 20 in	clay loam	moderate	0.94 to 1.06 in	6.6 to 7.8
Cg -- 20 to 60 in	loam	moderate	5.57 to 7.56 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

DA--Dakota and Rasset sandy loams, 0 to 2 percent slopes

Dakota

Extent: 50 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	sandy loam	moderate	1.18 to 1.77 in	5.1 to 7.3
Bt -- 10 to 30 in	loam	moderate	3.01 to 3.81 in	5.1 to 7.3
2BC,2C -- 30 to 60 in	fine sand	rapid	0.60 to 2.99 in	5.1 to 7.8

Rasset

Extent: 50 percent of the unit

Landform(s): stream terraces

Slope gradient: 1 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt -- 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC -- 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C -- 36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

DB--Dakota and Rasset sandy loams, 2 to 6 percent slopes

Dakota

Extent: 50 percent of the unit

Landform(s): stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 10 in	sandy loam	moderate	1.18 to 1.77 in	5.1 to 7.3
Bt -- 10 to 30 in	loam	moderate	3.01 to 3.81 in	5.1 to 7.3
2BC,2C -- 30 to 60 in	fine sand	rapid	0.60 to 2.99 in	5.1 to 7.8

Rasset

Extent: 50 percent of the unit

Landform(s): stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt -- 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC -- 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C -- 36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

EA--Estherville sandy loam, 0 to 2 percent slopes

Estherville

Extent: 90 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.6 to 7.3
Bw1 --	13 to 18 in	sandy loam	moderately rapid	0.61 to 0.85 in	5.6 to 7.3
2Bw2 --	18 to 23 in	loamy coarse sand	rapid	0.10 to 0.20 in	5.6 to 7.3
2C --	23 to 60 in	gravelly coarse sand	rapid	0.74 to 1.48 in	6.6 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

EB--Estherville sandy loam, 2 to 6 percent slopes

Estherville

Extent: 90 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 13 in	sandy loam	moderately rapid	1.69 to 2.34 in	5.6 to 7.3
Bw1 --	13 to 18 in	sandy loam	moderately rapid	0.61 to 0.85 in	5.6 to 7.3
2Bw2 --	18 to 23 in	loamy coarse sand	rapid	0.10 to 0.20 in	5.6 to 7.3
2C --	23 to 60 in	gravelly coarse sand	rapid	0.74 to 1.48 in	6.6 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

EB2--Estherville sandy loam, 2 to 6 percent slopes, eroded

Estherville, eroded

Extent: 90 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

Representative soil profile:		Texture	Permeability	Available water capacity	pH
Ap,A --	0 to 10 in	sandy loam	moderately rapid	1.28 to 1.77 in	5.6 to 7.3
Bw1 --	10 to 15 in	sandy loam	moderately rapid	0.61 to 0.85 in	5.6 to 7.3
2Bw2 --	15 to 20 in	loamy coarse sand	rapid	0.10 to 0.20 in	5.6 to 7.3
2C --	20 to 60 in	gravelly coarse sand	rapid	0.80 to 1.61 in	6.6 to 8.4

EX--Essexville sandy loam

Essexville

Extent: 85 percent of the unit

Landform(s): beaches on lakes, moraines

Slope gradient: 0 to 2 percent

Parent material: sandy beach sediments

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .10

Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:		Texture	Permeability	Available water capacity	pH
Ap,A --	0 to 15 in	sandy loam	moderately rapid	1.94 to 2.69 in	7.4 to 8.4
Bg --	15 to 30 in	sand	rapid	0.60 to 1.80 in	7.4 to 8.4
2Cg --	30 to 80 in	loam	moderate	7.50 to 9.50 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

FA--Fairhaven silt loam, 0 to 2 percent slopes

Fairhaven

Extent: 100 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	silt loam		moderate	2.17 to 2.36 in	5.6 to 7.3
Bw --	10 to 31 in	silt loam		moderate	4.25 to 4.68 in	5.6 to 7.3
2C --	31 to 60 in	sand		rapid	0.57 to 1.15 in	6.1 to 8.4

FB--Fairhaven silt loam, 2 to 6 percent slopes

Fairhaven

Extent: 100 percent of the unit

Landform(s): stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	silt loam		moderate	2.17 to 2.36 in	5.6 to 7.3
Bw --	10 to 31 in	silt loam		moderate	4.25 to 4.68 in	5.6 to 7.3
2C --	31 to 60 in	sand		rapid	0.57 to 1.15 in	6.1 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

FC2--Fairhaven silt loam, 6 to 12 percent slopes, eroded

Fairhaven, eroded

Extent: 100 percent of the unit

Landform(s): stream terraces

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	silt loam		moderate	1.56 to 1.70 in	5.6 to 7.3
Bw --	7 to 25 in	silt loam		moderate	3.62 to 3.98 in	5.6 to 7.3
2C --	25 to 60 in	sand		rapid	0.69 to 1.39 in	6.1 to 8.4

GL--Glencoe clay loam

Glencoe

Extent: 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .15

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	clay loam		moderate	1.77 to 2.17 in	6.1 to 7.8
A,ABg --	10 to 35 in	clay loam		moderate	4.54 to 5.54 in	6.1 to 7.8
Bg --	35 to 48 in	loam		moderate	1.95 to 2.47 in	6.6 to 7.8
Cg --	48 to 60 in	loam		moderate	1.77 to 2.24 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

GP--Pits-Udipsamments complex

Pits

Extent: 55 percent of the unit

Landform(s): stream terraces, outwash plains, moraines

Slope gradient: 0 to 50 percent

Parent material: sandy and gravelly outwash

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

Udipsamments

Extent: 45 percent of the unit

Landform(s): stream terraces, outwash plains, moraines

Slope gradient: 0 to 25 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

*Available water
capacity*

pH

Map Unit Description (MN)

Carver County, Minnesota

HC--Estherville-Hawick sandy loams, 6 to 12 percent slopes

Estherville

Extent: 60 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 10 in	sandy loam	moderately rapid	1.28 to 1.77 in	5.6 to 7.3
Bw1 -- 10 to 15 in	sandy loam	moderately rapid	0.61 to 0.85 in	5.6 to 7.3
2Bw2 -- 15 to 20 in	loamy coarse sand	rapid	0.10 to 0.20 in	5.6 to 7.3
2C -- 20 to 60 in	gravelly coarse sand	rapid	0.80 to 1.61 in	6.6 to 8.4

Hawick

Extent: 30 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw -- 7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C -- 11 to 60 in	gravelly coarse sand	very rapid	0.98 to 2.93 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

HC2--Estherville-Hawick sandy loams, 6 to 12 percent slopes, eroded

Estherville, eroded

Extent: 60 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 8 in	sandy loam		moderately rapid	1.02 to 1.42 in	5.6 to 7.3
Bw1 --	8 to 13 in	sandy loam		moderately rapid	0.67 to 0.92 in	5.6 to 7.3
2Bw2 --	13 to 18 in	loamy coarse sand		rapid	0.10 to 0.20 in	5.6 to 7.3
2C --	18 to 60 in	gravelly coarse sand		rapid	0.83 to 1.67 in	6.6 to 8.4

Hawick, eroded

Extent: 30 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	sandy loam		moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw --	7 to 11 in	gravelly loamy coarse sand		rapid	0.12 to 0.39 in	6.1 to 7.8
C --	11 to 60 in	gravelly coarse sand		very rapid	0.98 to 2.93 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

HD--Estherville-Hawick sandy loams, 12 to 18 percent slopes

Estherville

Extent: 60 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 10 in	sandy loam	moderately rapid	1.28 to 1.77 in	5.6 to 7.3
Bw1 --	10 to 15 in	sandy loam	moderately rapid	0.61 to 0.85 in	5.6 to 7.3
2Bw2 --	15 to 18 in	loamy coarse sand	rapid	0.07 to 0.14 in	5.6 to 7.3
2C --	18 to 60 in	gravelly coarse sand	rapid	0.83 to 1.67 in	6.6 to 8.4

Hawick

Extent: 30 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.8
Bw --	7 to 11 in	gravelly loamy coarse sand	rapid	0.12 to 0.39 in	6.1 to 7.8
C --	11 to 60 in	gravelly coarse sand	very rapid	0.98 to 2.93 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

HM--Hamel loam

Hamel

Extent: 90 percent of the unit

Landform(s): drainageways on moraines

Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A,AB -- 0 to 24 in	loam	moderate	4.80 to 5.76 in	5.6 to 7.3
Btg -- 24 to 46 in	clay loam	moderately slow	3.53 to 4.19 in	5.6 to 7.3
Cg -- 46 to 60 in	loam	moderate	2.07 to 2.62 in	7.4 to 8.4

HN--Hanlon loam

Hanlon, occasionally flooded

Extent: 90 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1 -- 0 to 10 in	loam	moderate	1.97 to 2.17 in	6.1 to 7.3
A2,A3 -- 10 to 63 in	fine sandy loam	moderately rapid	8.50 to 9.57 in	6.1 to 7.3
Bw -- 63 to 70 in	sandy loam	moderately rapid	0.78 to 0.92 in	5.6 to 7.3
Cg -- 70 to 80 in	stratified sand to loamy fine sand to fine sandy loam	moderately rapid	1.18 to 1.87 in	5.6 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

IA--Dickman sandy loam, 0 to 2 percent slopes

Dickman

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 14 in	sandy loam	moderately rapid	1.84 to 2.13 in	5.6 to 6.5
Bw --	14 to 19 in	sandy loam	moderately rapid	0.57 to 0.66 in	5.6 to 7.3
2Bw --	19 to 33 in	loamy sand	rapid	0.43 to 1.42 in	5.6 to 7.3
2C --	33 to 60 in	sand	rapid	0.54 to 1.87 in	6.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

IB2--Dickman sandy loam, 2 to 6 percent slopes, eroded

Dickman, eroded

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 12 in		sandy loam	moderately rapid	1.54 to 1.77 in	5.6 to 6.5
Bw --	12 to 19 in		sandy loam	moderately rapid	0.85 to 0.99 in	5.6 to 7.3
2Bw --	19 to 33 in		loamy sand	rapid	0.43 to 1.42 in	5.6 to 7.3
2C --	33 to 60 in		sand	rapid	0.54 to 1.87 in	6.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

IC2--Dickman sandy loam, 6 to 12 percent slopes, eroded

Dickman, eroded

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	5.6 to 6.5
Bw --	10 to 17 in	sandy loam	moderately rapid	0.85 to 0.99 in	5.6 to 7.3
2Bw --	17 to 31 in	loamy sand	rapid	0.43 to 1.42 in	5.6 to 7.3
2C --	31 to 60 in	sand	rapid	0.57 to 2.01 in	6.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

KB--Kilkenny-Lester loams, 2 to 6 percent slopes

Kilkenny

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: C/D

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 11 in	loam	moderate	1.98 to 2.43 in	5.6 to 7.3
Bt -- 11 to 35 in	clay loam	moderately slow	3.60 to 4.56 in	5.1 to 7.3
2Bk,2C -- 35 to 80 in	loam	moderate	6.73 to 8.53 in	7.4 to 8.4

Lester

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt -- 8 to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC -- 35 to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C -- 40 to 60 in	loam	moderate	2.95 to 3.74 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

KB2--Lester-Kilkenny loams, 2 to 6 percent slopes, eroded

Lester, eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 35 in	clay loam		moderate	4.07 to 5.16 in	5.1 to 7.3
Bk --	35 to 58 in	loam		moderate	3.43 to 4.34 in	7.4 to 8.4
C --	58 to 80 in	loam		moderate	3.31 to 4.19 in	7.4 to 8.4

Kilkenny, eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: C/D

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 11 in	loam		moderate	1.98 to 2.43 in	5.6 to 7.3
Bt --	11 to 35 in	clay loam		moderately slow	3.60 to 4.56 in	5.1 to 7.3
2Bk,2C --	35 to 60 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

KC--Lester-Kilkenny loams, 6 to 12 percent slopes

Lester

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt -- 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk -- 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C -- 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 9 in	loam	moderate	1.54 to 1.99 in	5.6 to 7.3
Bt -- 9 to 53 in	clay loam	moderately slow	6.61 to 8.38 in	5.1 to 7.3
2BC,2C -- 53 to 80 in	loam	moderate	4.02 to 5.09 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

KC2--Lester-Kilkenny loams, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny, eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	loam		moderate	1.54 to 1.99 in	5.6 to 7.3
Bt --	9 to 53 in	clay loam		moderately slow	6.61 to 8.38 in	5.1 to 7.3
2BC,2C --	53 to 80 in	loam		moderate	4.02 to 5.09 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

KD--Lester-Kilkenny loams, 12 to 18 percent slopes

Lester

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	loam		moderate	1.54 to 1.99 in	5.6 to 7.3
Bt --	9 to 53 in	clay loam		moderately slow	6.61 to 8.38 in	5.1 to 7.3
2BC,2C --	53 to 80 in	loam		moderate	4.02 to 5.09 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

KD2--Lester-Kilkenny loams, 12 to 18 percent slopes, eroded

Lester, eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny, eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	loam		moderate	1.54 to 1.99 in	5.6 to 7.3
Bt --	9 to 53 in	clay loam		moderately slow	6.61 to 8.38 in	5.1 to 7.3
2BC,2C --	53 to 80 in	loam		moderate	4.02 to 5.09 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

KE2--Lester-Kilkenny loams, 18 to 25 percent slopes, eroded

Lester, eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 5 in	loam		moderate	1.02 to 1.13 in	5.6 to 7.3
BE,Bt --	5 to 34 in	clay loam		moderate	4.31 to 5.46 in	5.1 to 7.3
Bk --	34 to 60 in	loam		moderate	3.90 to 4.94 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny, eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 7 in	loam		moderate	1.20 to 1.56 in	5.6 to 7.3
Bt --	7 to 31 in	clay loam		moderately slow	3.60 to 4.56 in	5.1 to 7.3
2Bk,2C --	31 to 80 in	loam		moderate	7.32 to 9.28 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

KF--Lester-Kilkenny loams, 25 to 40 percent slopes

Lester

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 25 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 5 in	loam		moderate	1.02 to 1.13 in	5.6 to 7.3
BE,Bt --	5 to 34 in	clay loam		moderate	4.31 to 5.46 in	5.1 to 7.3
Bk --	34 to 60 in	loam		moderate	3.90 to 4.94 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 25 to 35 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 7 in	loam		moderate	1.20 to 1.56 in	5.6 to 7.3
Bt --	7 to 31 in	clay loam		moderately slow	3.60 to 4.56 in	5.1 to 7.3
2Bk,2C --	31 to 80 in	loam		moderate	7.32 to 9.28 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

KL--Hanlon-Kalmarville complex, frequently flooded

Hanlon, frequently flooded

Extent: 55 percent of the unit

Landform(s): rises on flood plains

Slope gradient: 1 to 3 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 5w

Hydric soil: no

Hydrologic group: A/D

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1 -- 0 to 16 in	fine sandy loam	moderately rapid	2.58 to 2.91 in	6.1 to 7.3
A2 -- 16 to 40 in	fine sandy loam	moderately rapid	3.84 to 4.32 in	6.1 to 7.3
Bw -- 40 to 60 in	fine sandy loam	moderately rapid	2.17 to 2.56 in	5.6 to 7.3

Kalmarville, frequently flooded

Extent: 40 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A2,A3 -- 0 to 32 in	sandy loam	moderately rapid	4.15 to 5.74 in	6.6 to 7.8
A4 -- 32 to 60 in	silt loam	moderately rapid	3.63 to 5.03 in	6.6 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

KM--Minneiska-Kalmarville complex, frequently flooded

Minneiska, frequently flooded

Extent: 55 percent of the unit

Landform(s): rises on flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .24

Land capability, nonirrigated: 5w

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	fine sandy loam		moderately rapid	1.48 to 1.77 in	7.4 to 8.4
C --	10 to 60 in	stratified sand to silt loam		moderately rapid	6.50 to 9.00 in	7.4 to 8.4

Kalmarville, frequently flooded

Extent: 35 percent of the unit

Landform(s): flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 5w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1 --	0 to 7 in	loam		moderate	1.42 to 1.70 in	5.6 to 7.8
A2,A3 --	7 to 60 in	stratified fine sand to fine sandy loam to silt loam		moderate	6.86 to 11.61 in	5.6 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

LA--Le Sueur-Lester loams, 1 to 4 percent slopes

Le Sueur

Extent: 70 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A2,AB -- 0 to 17 in	loam	moderate	3.39 to 4.06 in	5.6 to 7.3
Bt -- 17 to 36 in	clay loam	moderate	2.83 to 3.59 in	5.1 to 7.3
Bk -- 36 to 46 in	loam	moderate	1.54 to 1.94 in	7.4 to 8.4
C -- 46 to 80 in	loam	moderate	5.08 to 6.43 in	7.4 to 8.4

Lester

Extent: 30 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 4 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt -- 8 to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC -- 35 to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C -- 40 to 80 in	loam	moderate	5.96 to 7.56 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

LB2--Lester loam, 2 to 6 percent slopes

Lester

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam		moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 35 in	clay loam		moderate	4.07 to 5.16 in	5.1 to 7.3
Bk --	35 to 58 in	loam		moderate	3.43 to 4.34 in	7.4 to 8.4
C --	58 to 80 in	loam		moderate	3.31 to 4.19 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

LC--Lester loam, 6 to 12 percent slopes

Lester

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

LC2--Lester loam, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

LD--Lester loam, 12 to 18 percent slopes

Lester

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

LD2--Lester loam, 12 to 18 percent slopes, eroded

Lester, eroded

Extent: 85 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:

			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

LE2--Lester loam, 18 to 25 percent slopes, eroded

Lester, eroded

Extent: 100 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 5 in	loam		moderate	1.02 to 1.13 in	5.6 to 7.3
Bt --	5 to 34 in	clay loam		moderate	4.31 to 5.46 in	5.1 to 7.3
Bk --	34 to 60 in	loam		moderate	3.90 to 4.94 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

LF--Lester loam, 25 to 40 percent slopes

Lester

Extent: 100 percent of the unit

Landform(s): moraines

Slope gradient: 25 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 5 in	loam		moderate	1.02 to 1.13 in	5.6 to 7.3
BE,Bt --	5 to 34 in	clay loam		moderate	4.31 to 5.46 in	5.1 to 7.3
Bk --	34 to 60 in	loam		moderate	3.90 to 4.94 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

LS--Le Sueur loam

Le Sueur

Extent: 90 percent of the unit

Landform(s): moraines

Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A1,A2,AB -- 0 to 17 in	loam	moderate	3.39 to 4.06 in	5.6 to 7.3
Bt -- 17 to 36 in	clay loam	moderate	2.83 to 3.59 in	5.1 to 7.3
Bk -- 36 to 46 in	loam	moderate	1.54 to 1.94 in	7.4 to 8.4
C -- 46 to 80 in	loam	moderate	5.08 to 6.43 in	7.4 to 8.4

M-W--Water, miscellaneous

Water, miscellaneous

Extent: 100 percent of the unit

Landform(s):

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
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Map Unit Description (MN)

Carver County, Minnesota

MK--Houghton and Muskego soils

Houghton

Extent: 50 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 2 percent

Parent material: organic material

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 2

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oap -- 0 to 10 in	muck	moderately rapid	3.44 to 4.43 in	
Oa -- 10 to 80 in	muck	moderately rapid	24.53 to 31.54 in	

Muskego

Extent: 50 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 2 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 4w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oap -- 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa -- 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco -- 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	

Map Unit Description (MN)

Carver County, Minnesota

MN--Minneiska loam

Minneiska, occasionally flooded

Extent: 85 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 2w

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	loam		moderately rapid	1.48 to 2.17 in	7.4 to 8.4
C --	10 to 60 in	stratified sand to silt loam		moderately rapid	6.50 to 9.00 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

MP--Klossner and Muskego soils, ponded

Klossner, ponded

Extent: 50 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa -- 0 to 26 in	muck	moderately rapid	9.09 to 12.47 in	
2A1 -- 26 to 33 in	silt loam	moderate	1.56 to 1.84 in	
2A2 -- 33 to 40 in	loam	moderate	1.28 to 1.56 in	
2Cg -- 40 to 80 in	loam	moderate	5.96 to 7.56 in	

Muskego, ponded

Extent: 50 percent of the unit

Landform(s): marshes on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over coprogenous earth

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Kw factor (surface layer) .02

Land capability, nonirrigated: 8w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa1 -- 0 to 9 in	muck	moderately rapid	3.17 to 4.07 in	
Oa2 -- 9 to 36 in	muck	moderately rapid	9.37 to 12.05 in	
Lco -- 36 to 60 in	coprogenous earth	slow	4.32 to 5.76 in	

Map Unit Description (MN)

Carver County, Minnesota

MY--Mayer loam

Mayer

Extent: 85 percent of the unit

Landform(s): swales on stream terraces, swales on moraines

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,A2 --	0 to 18 in	loam		moderate	3.62 to 3.98 in	7.4 to 8.4
Bg --	18 to 33 in	sandy clay loam		moderate	2.39 to 2.84 in	7.4 to 8.4
2C --	33 to 80 in	gravelly coarse sand		rapid	0.94 to 1.87 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

NC3--Lester-Kilkenny clay loams, 6 to 12 percent slopes, severely eroded

Lester, severely eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	clay loam		moderate	1.20 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny, severely eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	clay loam		moderately slow	1.20 to 1.35 in	5.6 to 7.3
Bt --	7 to 30 in	clay loam		moderately slow	3.43 to 4.34 in	5.1 to 7.3
2BC,2C --	30 to 80 in	loam		moderate	7.50 to 9.50 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

ND3--Lester-Kilkenny clay loams, 12 to 18 percent slopes, severely eroded

Lester, severely eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	clay loam		moderate	1.20 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny, severely eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	clay loam		moderately slow	1.20 to 1.35 in	5.6 to 7.3
Bt --	7 to 30 in	clay loam		moderately slow	3.43 to 4.34 in	5.1 to 7.3
2BC,2C --	30 to 80 in	loam		moderate	7.50 to 9.50 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

NE3--Lester-Kilkenny clay loams, 18 to 25 percent slopes, severely eroded

Lester, severely eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 5 in	clay loam		moderate	0.87 to 1.13 in	5.6 to 7.3
Bt --	5 to 34 in	clay loam		moderate	4.31 to 5.46 in	5.1 to 7.3
Bk --	34 to 60 in	loam		moderate	3.90 to 4.94 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Kilkenny, severely eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 7 in	clay loam		moderately slow	1.20 to 1.35 in	5.6 to 7.3
Bt --	7 to 31 in	clay loam		moderately slow	3.60 to 4.56 in	5.1 to 7.3
2Bk,2C --	31 to 80 in	loam		moderate	7.32 to 9.28 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

OS--Oshawa silty clay loam

Oshawa, frequently flooded

Extent: 85 percent of the unit

Landform(s): oxbows on flood plains, flats on flood plains

Slope gradient: 0 to 1 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 37 in	silty clay loam	moderately slow	6.66 to 8.14 in	7.4 to 7.8
Cg -- 37 to 60 in	silty clay loam	moderately slow	3.88 to 4.34 in	7.4 to 7.8

PA--Sparta loamy sand, 0 to 2 percent slopes

Sparta

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .17

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 16 in	loamy sand	moderately rapid	1.45 to 1.94 in	5.1 to 7.3
Bw -- 16 to 29 in	loamy sand	rapid	0.65 to 1.43 in	5.1 to 7.3
C -- 29 to 60 in	sand	rapid	1.23 to 2.15 in	5.1 to 7.3

Map Unit Description (MN)

Carver County, Minnesota

PB--Sparta loamy sand, 2 to 6 percent slopes

Sparta

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .17

Land capability, nonirrigated: 4s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 16 in	loamy sand	moderately rapid	1.45 to 1.94 in	5.1 to 7.3
Bw -- 16 to 29 in	loamy sand	rapid	0.65 to 1.43 in	5.1 to 7.3
C -- 29 to 60 in	sand	rapid	1.23 to 2.15 in	5.1 to 7.3

PC--Sparta loamy sand, 6 to 12 percent slopes

Sparta

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .17

Land capability, nonirrigated: 6s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loamy sand	moderately rapid	0.64 to 0.85 in	5.1 to 7.3
Bw -- 7 to 13 in	loamy fine sand	rapid	0.30 to 0.65 in	5.1 to 7.3
C -- 13 to 60 in	sand	rapid	1.87 to 3.28 in	5.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

PD--Sparta loamy sand, 12 to 18 percent slopes

Sparta

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .17

Land capability, nonirrigated: 7s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loamy sand		moderately rapid	0.64 to 0.85 in	5.1 to 7.3
Bw --	7 to 13 in	loamy fine sand		rapid	0.30 to 0.65 in	5.1 to 7.3
C --	13 to 60 in	sand		rapid	1.87 to 3.28 in	5.1 to 7.8

PM--Klossner muck

Klossner

Extent: 85 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: organic material over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oap,Oa --	0 to 26 in	muck		moderately rapid	9.09 to 12.47 in	
2A1 --	26 to 36 in	mucky silty clay loam		moderate	2.17 to 2.56 in	
2A2 --	36 to 48 in	silty clay loam		moderate	2.20 to 2.69 in	
2Cg --	48 to 80 in	loam		moderate	4.78 to 6.06 in	

Map Unit Description (MN)

Carver County, Minnesota

PS--Klossner muck, sandy substratum

Klossner, sandy substratum

Extent: 85 percent of the unit

Landform(s): depressions on stream terraces, depressions on moraines

Slope gradient: 0 to 2 percent

Parent material: organic material over outwash or alluvium

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .02

Land capability, nonirrigated: 6w

Hydric soil: yes

Hydrologic group: A/D

Potential for frost action: high

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Oa --	0 to 29 in	muck	moderately rapid	10.20 to 13.11 in	
2A --	29 to 37 in	sandy clay loam	moderately rapid	1.02 to 1.57 in	
2Cg --	37 to 60 in	gravelly loamy coarse sand	rapid	0.69 to 2.28 in	

Map Unit Description (MN)

Carver County, Minnesota

RB--Rasset sandy loam, 0 to 6 percent slopes

Rasset

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt --	15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC --	28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C --	36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

RC--Rasset sandy loam, 6 to 12 percent slopes

Rasset

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt --	15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC --	28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C --	36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

RD--Rasset sandy loam, 12 to 18 percent slopes

Rasset

Extent: 90 percent of the unit

Landform(s): stream terraces

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt --	15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC --	28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C --	36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

RW--Richwood silt loam

Richwood

Extent: 100 percent of the unit

Landform(s): stream terraces

Slope gradient: 0 to 2 percent

Parent material: silty or loamy sediments over outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Kw factor (surface layer) .32

Land capability, nonirrigated: 1

Hydric soil: no

Hydrologic group: B

Potential for frost action: high

Representative soil profile:

		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,BA --	0 to 15 in	silt loam	moderate	3.29 to 3.59 in	5.6 to 7.3
Bt --	15 to 42 in	silt loam	moderate	4.89 to 5.98 in	5.6 to 7.3
BC --	42 to 47 in	silt loam	moderately rapid	0.43 to 1.04 in	5.6 to 7.3
2C --	47 to 60 in	very fine sand	rapid	0.65 to 0.91 in	6.1 to 7.8

Map Unit Description (MN)

Carver County, Minnesota

SC2--Lester-Storden complex, 6 to 12 percent slopes, eroded

Lester, eroded

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Storden, eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	7.4 to 8.4
Bk --	7 to 55 in	loam		moderate	7.20 to 9.13 in	7.4 to 8.4
C --	55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

SD2--Lester-Storden complex, 12 to 18 percent slopes, eroded

Lester, eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in	clay loam		moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in	loam		moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in	loam		moderate	3.01 to 3.81 in	7.4 to 8.4

Storden, eroded

Extent: 35 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .32

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in	loam		moderate	1.42 to 1.56 in	7.4 to 8.4
Bk --	7 to 55 in	loam		moderate	7.20 to 9.13 in	7.4 to 8.4
C --	55 to 80 in	loam		moderate	3.72 to 4.71 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

SV--Spillville loam, occasionally flooded

Spillville, occasionally flooded

Extent: 85 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: no

Hydrologic group: B/D

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,A2,A3 -- 0 to 40 in	loam	moderate	7.63 to 8.43 in	5.6 to 7.3
C -- 40 to 60 in	loam	moderately rapid	2.95 to 3.54 in	5.6 to 7.3

TB--Terril loam, 0 to 6 percent slopes

Terril

Extent: 90 percent of the unit

Landform(s): moraines, stream terraces

Slope gradient: 0 to 6 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1 -- 0 to 27 in	loam	moderate	5.43 to 5.98 in	6.1 to 7.3
A2,BA -- 27 to 40 in	loam	moderate	2.21 to 2.47 in	6.1 to 7.3
Bw -- 40 to 63 in	loam	moderate	3.65 to 4.11 in	6.1 to 7.3
C -- 63 to 80 in	loam	moderate	2.54 to 3.22 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

TC--Terril loam, 6 to 12 percent slopes

Terril

Extent: 90 percent of the unit

Landform(s): moraines, stream terraces

Slope gradient: 6 to 12 percent

Parent material: colluvium over till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1 -- 0 to 27 in	loam	moderate	5.43 to 5.98 in	6.1 to 7.3
A2,BA -- 27 to 40 in	loam	moderate	2.21 to 2.47 in	6.1 to 7.3
Bw -- 40 to 63 in	loam	moderate	3.65 to 4.11 in	6.1 to 7.3
C -- 63 to 80 in	loam	moderate	2.54 to 3.22 in	7.4 to 8.4

TT--Talcot silty clay loam

Talcot

Extent: 100 percent of the unit

Landform(s): swales, depressions on stream terraces

Slope gradient: 0 to 2 percent

Parent material: silty or loamy deposits over outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86

Kw factor (surface layer) .28

Land capability, nonirrigated: 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A1,A2 -- 0 to 23 in	silty clay loam	moderate	4.11 to 5.02 in	7.4 to 8.4
Bg -- 23 to 30 in	silty clay loam	moderate	1.20 to 1.42 in	7.4 to 8.4
2Cg -- 30 to 60 in	gravelly coarse sand	rapid	0.60 to 1.20 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

US--Udipsamments, sloping

Udipsamments, sloping

Extent: 100 percent of the unit

Landform(s): stream terraces

Slope gradient: 6 to 18 percent

Parent material: outwash or colluvium

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: excessively drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 2

Wind erodibility index (WEI): 134

Kw factor (surface layer) .05

Land capability, nonirrigated: 8s

Hydric soil: no

Hydrologic group: A

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 14 in	loamy sand		rapid	0.71 to 1.42 in	6.6 to 7.3
C --	14 to 60 in	sand		rapid	2.28 to 3.65 in	6.6 to 7.3

W--Water

Water

Extent: 100 percent of the unit

Landform(s):

Slope gradient:

Parent material:

Restrictive feature(s): greater than 60 inches

Flooding:

Ponding:

Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated:

Hydric soil:

Hydrologic group:

Potential for frost action:

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
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Map Unit Description (MN)

Carver County, Minnesota

WA--Wadena loam, 0 to 2 percent slopes

Wadena

Extent: 90 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 0 to 2 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2s

Hydric soil: no

Hydrologic group: B

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A,AB -- 0 to 13 in	loam	moderate	2.60 to 2.86 in	6.1 to 7.3
Bw -- 13 to 30 in	loam	moderate	2.37 to 3.22 in	5.6 to 7.3
2BC,2C -- 30 to 60 in	coarse sand	rapid	0.60 to 1.20 in	6.6 to 8.4

WB--Wadena loam, 2 to 6 percent slopes

Wadena

Extent: 90 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: low

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A,AB -- 0 to 13 in	loam	moderate	2.60 to 2.86 in	6.1 to 7.3
Bw -- 13 to 30 in	loam	moderate	2.37 to 3.22 in	5.6 to 7.3
2BC,2C -- 30 to 60 in	coarse sand	rapid	0.60 to 1.20 in	6.6 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

WC2--Wadena loam, 6 to 12 percent slopes, eroded

Wadena, eroded

Extent: 90 percent of the unit

Landform(s): stream terraces, moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: low

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 10 in	loam		moderate	1.97 to 2.17 in	6.1 to 7.3
Bw --	10 to 25 in	loam		moderate	2.15 to 2.92 in	5.6 to 7.3
2BC,2C --	25 to 60 in	coarse sand		rapid	0.69 to 1.39 in	6.6 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

XB--Rasset-Lester complex, 2 to 6 percent slopes

Rasset

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt --	15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC --	28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C --	36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Lester

Extent: 45 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC --	35 to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C --	40 to 60 in	loam	moderate	2.95 to 3.74 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

XC--Rasset-Lester complex, 6 to 12 percent slopes

Rasset

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt -- 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC -- 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C -- 36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Lester

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt -- 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk -- 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C -- 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

XC2--Rasset-Lester complex, 6 to 12 percent slopes, eroded

Rasset, eroded

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in		sandy loam	moderately rapid	1.02 to 1.18 in	5.1 to 7.3
Bt --	8 to 20 in		sandy loam	moderately rapid	1.46 to 2.32 in	5.1 to 7.3
2BC --	20 to 30 in		loamy sand	rapid	0.59 to 1.08 in	5.1 to 7.3
2C --	30 to 80 in		sand	very rapid	1.00 to 3.50 in	5.1 to 7.8

Lester, eroded

Extent: 40 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in		loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in		clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in		loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in		loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

XD--Rasset-Lester complex, 12 to 18 percent slopes

Rasset

Extent: 65 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt -- 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC -- 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C -- 36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Lester

Extent: 35 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt -- 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk -- 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C -- 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

XE--Rasset-Lester complex, 18 to 25 percent slopes

Rasset

Extent: 65 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt -- 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC -- 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C -- 36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Lester

Extent: 35 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 5 in	loam	moderate	1.02 to 1.13 in	5.6 to 7.3
BE,Bt -- 5 to 34 in	clay loam	moderate	4.31 to 5.46 in	5.1 to 7.3
Bk -- 34 to 60 in	loam	moderate	3.90 to 4.94 in	7.4 to 8.4
C -- 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YB--Rasset-Lester-Kilkenny complex, 2 to 6 percent slopes

Rasset

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A --	0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt --	15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC --	28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C --	36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Lester

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 5 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in	loam	moderate	1.57 to 1.73 in	5.6 to 7.3
Bt --	8 to 35 in	clay loam	moderate	4.07 to 5.16 in	5.1 to 7.3
BC --	35 to 40 in	clay loam	moderate	0.72 to 0.97 in	6.1 to 7.8
C --	40 to 60 in	loam	moderate	2.95 to 3.74 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YB--Rasset-Lester-Kilkenny complex, 2 to 6 percent slopes

Kilkenny

Extent: 20 percent of the unit

Landform(s): moraines

Slope gradient: 2 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 2e

Hydric soil: no

Hydrologic group: C/D

Potential for frost action: moderate

<i>Representative soil profile:</i>		<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 11 in	loam	moderate	1.98 to 2.43 in	5.6 to 7.3
Bt --	11 to 35 in	clay loam	moderately slow	3.60 to 4.56 in	5.1 to 7.3
2Bk,2C --	35 to 80 in	loam	moderate	6.73 to 8.53 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YC--Rasset-Lester-Kilkenny complex, 6 to 12 percent slopes

Rasset

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt -- 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC -- 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C -- 36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Lester

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt -- 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk -- 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C -- 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YC--Rasset-Lester-Kilkenny complex, 6 to 12 percent slopes

Kilkenny

Extent: 20 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	loam		moderate	1.54 to 1.99 in	5.6 to 7.3
Bt --	9 to 53 in	clay loam		moderately slow	6.61 to 8.38 in	5.1 to 7.3
2BC,2C --	53 to 80 in	loam		moderate	4.02 to 5.09 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YC2--Rasset-Lester-Kilkenny complex, 6 to 12 percent slopes, eroded

Rasset, eroded

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 8 in		sandy loam	moderately rapid	1.02 to 1.18 in	5.1 to 7.3
Bt --	8 to 20 in		sandy loam	moderately rapid	1.46 to 2.32 in	5.1 to 7.3
2BC --	20 to 30 in		loamy sand	rapid	0.59 to 1.08 in	5.1 to 7.3
2C --	30 to 80 in		sand	very rapid	1.00 to 3.50 in	5.1 to 7.8

Lester, eroded

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 7 in		loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt --	7 to 38 in		clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk --	38 to 60 in		loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C --	60 to 80 in		loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YC2--Rasset-Lester-Kilkenny complex, 6 to 12 percent slopes, eroded

Kilkenny, eroded

Extent: 20 percent of the unit

Landform(s): moraines

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 3e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

Representative soil profile:

			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	loam		moderate	1.54 to 1.99 in	5.6 to 7.3
Bt --	9 to 53 in	clay loam		moderately slow	6.61 to 8.38 in	5.1 to 7.3
2BC,2C --	53 to 80 in	loam		moderate	4.02 to 5.09 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YD--Rasset-Lester-Kilkenny complex, 12 to 18 percent slopes

Rasset

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt -- 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC -- 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C -- 36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Lester

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap -- 0 to 7 in	loam	moderate	1.42 to 1.56 in	5.6 to 7.3
Bt -- 7 to 38 in	clay loam	moderate	4.67 to 5.91 in	5.1 to 7.3
Bk -- 38 to 60 in	loam	moderate	3.25 to 4.11 in	7.4 to 8.4
C -- 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YD--Rasset-Lester-Kilkenny complex, 12 to 18 percent slopes

Kilkenny

Extent: 20 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 4e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap --	0 to 9 in	loam		moderate	1.54 to 1.99 in	5.6 to 7.3
Bt --	9 to 53 in	clay loam		moderately slow	6.61 to 8.38 in	5.1 to 7.3
2BC,2C --	53 to 80 in	loam		moderate	4.02 to 5.09 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YE--Rasset-Lester-Kilkenny complex, 18 to 25 percent slopes

Rasset

Extent: 55 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Wind erodibility index (WEI): 86

Kw factor (surface layer) .15

Land capability, nonirrigated: 7e

Hydric soil: no

Hydrologic group: A

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
Ap,A -- 0 to 15 in	sandy loam	moderately rapid	1.94 to 2.24 in	5.1 to 7.3
Bt -- 15 to 28 in	sandy loam	moderately rapid	1.56 to 2.47 in	5.1 to 7.3
2BC -- 28 to 36 in	loamy sand	rapid	0.47 to 0.87 in	5.1 to 7.3
2C -- 36 to 80 in	sand	very rapid	0.88 to 3.09 in	5.1 to 7.8

Lester

Extent: 25 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .20

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

<i>Representative soil profile:</i>	<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A -- 0 to 5 in	loam	moderate	1.02 to 1.13 in	5.6 to 7.3
BE,Bt -- 5 to 34 in	clay loam	moderate	4.31 to 5.46 in	5.1 to 7.3
Bk -- 34 to 60 in	loam	moderate	3.90 to 4.94 in	7.4 to 8.4
C -- 60 to 80 in	loam	moderate	3.01 to 3.81 in	7.4 to 8.4

Map Unit Description (MN)

Carver County, Minnesota

YE--Rasset-Lester-Kilkenny complex, 18 to 25 percent slopes

Kilkenny

Extent: 20 percent of the unit

Landform(s): moraines

Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated: 6e

Hydric soil: no

Hydrologic group: C

Potential for frost action: moderate

<i>Representative soil profile:</i>			<i>Texture</i>	<i>Permeability</i>	<i>Available water capacity</i>	<i>pH</i>
A --	0 to 7 in	loam		moderate	1.20 to 1.56 in	5.6 to 7.3
Bt --	7 to 31 in	clay loam		moderately slow	3.60 to 4.56 in	5.1 to 7.3
2Bk,2C --	31 to 80 in	loam		moderate	7.32 to 9.28 in	7.4 to 8.4

This report provides a semitabular listing of some soil and site properties and interpretations that are valuable in communicating the concept of a map unit. The report also provides easy access to the commonly used conservation planning information in one place. The major soil components in each map unit are displayed. Minor components may be displayed if they are included in the database and are selected at the time the report is generated.